Contents of *Veterinary Microbiology*, Volume 22

VOL. 22 NO. 1 MARCH 1990

An enzyme-linked immunosorbent assay (ELISA) for antibodies to bovine viral diarrhea virus
P.J.K. Durham and L.E. Hassard (Saskatoon, Sask., Canada) 1
Susceptibility of laboratory animals to experimental infection with Ife virus
G.O. Ezeifeka, J.U. Umoh, C.D. Ezeokoli and N.E. Gomwalk (Zaria, Nigeria) 11
Further studies on rabies virus isolated from healthy dogs in Nigeria
H.O. Aghomo and C.E. Rupprecht (Philadelphia, PA, U.S.A.) 17
Isolation of *Mycoplasma moatsii* from the intestine of wild Norway rats (*Rattus norvegicus*)
J. Giebel, A. Binder and H. Kirchhoff (Hannover, F.R.G.) 23
Growth of *Mycobacterium paratuberculosis* in radiometric, Middlebrook and egg-based media
J.J. Damato and M.T. Collins (Fort Collins, CO, U.S.A.) 31
Monoclonal antibodies to *Chlamydia psittaci* guinea pig inclusion conjunctivitis (GPIC) strain
P.V. Cherian and W.E. Magee (Philadelphia, PA, U.S.A.) 43
Identification and genetic mapping of proteins encoded in the fimbrial subunit gene region of *Bacteroides nodosus*
S.J. Billington, M. Mitchison, B. Adler and J.I. Rood (Clayton, Vic., Australia) 53
Selective extraction of outer-membrane proteins from membrane complexes of *Pseudomonas maltophila* by chloroform–methanol
J. Chin and Y. Dai (Sydney, N.S.W., Australia) 69
Possession of identical nonconjugative plasmids by different isolates of *Pasteurella multocida* does not imply clonality
J.S. Ikeda and D.C. Hirsh (Davis, CA, U.S.A.) 79
Multilocus enzyme electrophoresis for identification and typing of *Treponema hyodysenteriae* and related spirochaetes
A.J. Lymbery, D.J. Hampson, R.M. Hopkins, B. Combs and J.R.L. Mhoma (Murdoch, W.A., Australia) 89

Guide for Authors 101

VOL. 22 nos. 2/3 APRIL 1990

Extent and duration of virulent virus excretion upon challenge of pigs vaccinated with different glycoprotein-deleted Aujeszky's disease vaccines
M.B. Penseart, K. De Smet and K. De Waele (Ghent, Belgium) 107
The serological response to thermostable Vero cell-adapted rinderpest vaccine under field conditions in Niger
J.C. Mariner (Greenport, NY, U.S.A.), M.C. van den Ende (North Grafton, MA, U.S.A.), J.A. House, C.A. Mebus (Greenport, NY, U.S.A.), Sama Salifou (Niamey, Niger) and C. Stem (North Grafton, MA, U.S.A.) 119
The occurrence of ephemeral fever in Kenya, 1968-1988
F.G. Davies, P. Ochieng and A.R. Walker (Kabete, Kenya) 129

Effects of proteolytic enzymes on the infectivity, haemagglutinating activity and protein composition of bluetongue virus type 20
J.A. Cowley and B.M. Gorman (Herston, Qld., Australia) 137
Alterations in lymphocyte subpopulations in peripheral blood of sheep persistently infected with border disease virus
Z. Woldehiwet and R. Sharma (Neston, Great Britain) 153
In vitro production of antibodies to bovine virus diarrhoea virus by peripheral blood mononuclear cells from cattle immunized by infection
B. Larsson, C. Fossum and N. Juntti (Uppsala, Sweden) 161
Isolation and characterization of attenuated plague variants of infectious bursal disease virus
K. Saijo, M. Higashihara, Y. Fujisaki (Chiba, Japan) and M. Matumoto (Tokyo, Japan) 171
Evaluation of killed and modified live procine rotavirus vaccines in cesarean derived colostrum deprived pigs
M.W. Welter and C.J. Welter (Dallas Center, IA, U.S.A.) 179
A longitudinal study of bovine coronavirus enteric and respiratory infection in dairy calves in two herds in Ohio
R.A. Heckert, L.J. Saif, K.H. Hoblet and A.G. Agnes (Wooster, OH, U.S.A.) 187
Identification of the gene homologos to HSV major DNA binding protein in the BHV-1 genome
S.K. Bandyopadhyay, S.K. Mittal and H.J. Field (Cambridge, Great Britain) 203
A study of the predominant genotypes of bovid herpesvirus 1 found in the U.K.
S. Edwards, H. White and P. Nixon (Weybridge, Great Britain) 213
Genetic drift on equine 2 influenza A virus (H3N8), 1963–1988: analysis by oligonucleotide mapping
M. Berg (Uppsala, Sweden), U. Desselberger (Glasgow, Great Britain), I.A. Abusugra, B. Klingeborn and T. Linné (Uppsala, Sweden) 225
Inhibition of *Dermatophilus congolensis* by substances produced by bacteria found on the skin
J.M. Kingali (Kabete, Kenya), I.D. Heron and A.N. Morrow (Roslin, Great Britain) 237
An evaluation of the delayed-type hypersensitivity test for diagnosing brucellosis in individual cattle: a field study
Z. Bercovich and E.A. ter Laak (Lelystad, The Netherlands) 241
Isolation and characterization of temperature-sensitive mutants of *Streptococcus suis*: efficacy trial of the mutant vaccine in mice
M. Kebede (Murray, KY, U.S.A.), M.M. Chengappa (Manhattan, KS, U.S.A.) and J.G. Stuart (Murray, KY, U.S.A.) 249
The effect of *Pasteurella haemolytia* cytotoxin on bovine polymorphonuclear leukocytes can be attenuated by β-adrenoceptor antagonists
P.A.J. Henricks, G.J. Binkhorst, A.A. Drijver, H. van der Vliet and F.P. Nijkamp (Utrecht, The Netherlands) 259
The obligate and facultatively anaerobic bacterial flora of the normal feline gingival margin
D.N. Love, R. Vekselstein and S. Collings (Sydney, N.S.W., Australia) 267
DNA probes for the detection of toxin genes in *Escherichia coli* isolated from diarrhoeal disease in cattle and pigs
M.J. Woodward, R. Kearsley, C. Wray and P.L. Roeder (Weybridge, Great Britain) 277
Cultivation of *Bacillus piliformis* (Tyzzer) in mouse fibroblasts (3T3 cells)
T.H. Spencer, J.R. Ganaway, K.S. Waggie (Bethesda, MD, U.S.A.) 291

VOL. 22 NO. 4 **MAY 1990**

O-serotyping of *Yersinia ruckeri* with special emphasis on European isolates
R.L. Davies (Stirling, Great Britain) 299
A colourimetric, microplate assay for the leucotoxin of *Pasteurella haemolytica*
F.F. Craig, R. Dalgleish (Glasgow, Great Britain), A.D. Sutherland (Edinburgh, Great Britain), R. Parton, J.G. Coote, H.A. Gibbs and J.H. Freer (Glasgow, Great Britain) 309
Summer mastitis in heifers: a bacteriological examination of secretions from clinical cases of summer mastitis in Denmark
M. Madsen (Frederiksberg C., Denmark), G.H. Sørensen (Aarhus N., Denmark) and B. Aalbaek (Frederiksberg C., Denmark) 319
Immunochemical studies of oligosaccharides obtained from the lipopolysacccharide of *Brucella ovis*
C.E. Suarez, G.A. Pacheco and A.M. Vigliocco (Buenos Aires, Argentina) 329
Rapid confirmatory identification of *Mycobacterium bovis* using a dot blotting immunodetection technique
G.M. Veerman, R. Kelman, J. Colley and J.G. Pike (Brisbane, Qld., Australia) 335
The epidemiology of peste des petits ruminants in the Sultanate of Oman
W.P. Taylor, S. Al Busaidy and T. Barrett (Woking, Great Britain) 341
Measurement of protease thermostability, twitching motility and colony size of *Bacteroides nodosus*
L.J. Depiazzi (Bunbury, W.A., Australia), J. Henderson (Albany, W.A., Australia) and W.J. Penhale (Murdoch, W.A., Australia) 353
Dot immunobinding assay in comparison with enzyme-linked immunosorbent assay for the detection of bluetongue virus antibodies in sheep
Y. Gupta, P. Chand, A. Singh and N.C. Jain (Hisar, India) 365
Equine herpesvirus type 1: detection of viral DNA sequences in aborted fetuses with the polymerase chain reaction
A. Ballagi-Pordány, B. Klingeborn, J. Flensburg and S. Belák (Uppsala, Sweden) 373

Short Communication
Experimental mastitis caused by *Mycoplasma bovigenitalium* and *M. canadense* in the ewe
H.J. Ball (Belfast, Northern Ireland) 383

Author Index 389

Subject Index 394